

Profil pajanan debu silika terhadap kejadian silikosis dan gangguan fungsi paru pada pekerja di perusahaan tambang granit di Tanjung Balai Karimun = The profile of silica dust exposure in the occurrence of silicosis and pulmonary function disorders among granite mining workers in Tanjung Balai Karimun

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Abstrak

Tesis ini membahas tentang profil pajanan debu silika terhadap kejadian silikosis dan gangguan fungsi paru pada pekerja di perusahaan tambang granit di Tanjung Balai Karimun. Penelitian ini bertujuan untuk mengetahui profil kesehatan pekerja serta prevalens kejadian silikosis dan gangguan fungsi paru. Penelitian ini menggunakan desain potong lintang. Hasil penelitian adalah prevalens silikosis sebanyak 1 (1,0%) orang pekerja dan prevalens gangguan fungsi paru sebanyak 7 (7,2%) orang pekerja. Tidak ada hubungan yang bermakna antara kejadian silikosis dengan faktor-faktor risiko. Pada gangguan fungsi paru terdapat hubungan yang bermakna dengan faktor usia. Namun, perlu dipertimbangkan faktor-faktor risiko lain yang ikut berperan menimbulkan gangguan fungsi paru. Semua hasil pengukuran debu total di lingkungan kerja melebihi Nilai Ambang Batas (NAB).

.....The thesis researched about the profile of silica dust exposure in the occurrence of silicosis and pulmonary function disorders among granite mining workers in Tanjung Balai Karimun. This study aimed to determine the health profile of workers and the prevalence of silicosis and pulmonary function disorders. This study used a cross-sectional design. The results of the study were the prevalence of silicosis was 1 (1,0%) worker and the prevalence of pulmonary function disorders were 7 (7,2%) workers. There was no significant relationship between the occurrence of silicosis and risk factors. Otherwise, there was a significant relationship between pulmonary function disorders and age. However, other risk factors were needed to be considered in causing pulmonary function disorders. All measurements results of total dust exceeded the Threshold Limit Value (TLV).